

PEOPLE

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MOVE

Human Resources reports the following personnel changes:

Key Management Assignments

*Jeanie Carter* was selected as deputy chief information officer in the Office of the Chief Information Officer.

*Betsy Hodges* was selected as assistant chief, Logistics Division, Center Operations Directorate.

Promotions

*Christy Herring* was selected as an engineering technician in the Manufacturing, Integration, and Technology Branch, Manufacturing, Materials, and Process Technology Division, Engineering Directorate.

*Richard Hill* was selected as an engineering technician in the Manufacturing, Integration, and Technology Branch, Manufacturing, Materials, and Process Technology Division, Engineering Directorate.

*Melita Scoggin* was selected as the division secretary in the Manufacturing, Materials, and Process Technology Division, Engineering Directorate.

Reassignments Between Directorates

*Gary Kane* moves from the Mission Operations Directorate to the Systems Management Office.

*James Ortiz* moves from the Mission Operations Directorate to the Systems Management Office.

*Richard Whitlock* moves from the Office of the Chief Financial Officer to the Systems Management Office.

*Dennis Hehir* moves from the Center Operations Directorate to the Mission Operations Directorate.

*Claudia Cisneros* moves from the Office of the Associate Director to the Space and Life Sciences Directorate.

*Barbara Hopkins* moves from the Engineering Directorate to the Space and Life Sciences Directorate.

Retirements

*Paul Sollock* of the Engineering Directorate.

Resignations

*Sarah Kirby* of the Mission Operations Directorate.

*Yvette Melkerson* of the Mission Operations Directorate.

*Debra Wilson* of the Safety, Reliability, and Quality Assurance Office.

*Andy Titterton* of the International Space Station Program Office.

DATES

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December 3

**Martians meet:** Rice University, the National Space Society and the Mars Society host inaugural Mars Landing Party December 3 from 2 p.m. to 6 p.m. The free event will be held at Rice University's Sewall Hall in room 301. There will be free food, door prizes and numerous special guests including *Space Station Science* author Marianne Dyson. For more information call Murray Clark at (281) 367-2227 or email MClark@aol.com.

December 6

**NSBE meets:** The National Society of Black Engineers will meet at 6:30 p.m. December 6 at Texas Southern University, School of Technology, Rm. 316. For details, call Kimberly Topps at (281) 280-2917.

December 7

**Quality Society meets:** The Bay Area Section of the American Society for Quality will meet at 6 p.m. on Tuesday December 7 at the Ramada King's Inn on NASA Road One. No reservations are required. For details, contact Ann Dorris at x38620.

December 8

**IAAP meets:** The Clear Lake/NASA Chapter of the International Association of Administrative Professionals will meet at 5:30 p.m. December 8 at Bay Oaks Country Club. Cost is \$16. For details and reservations, call Tami Barbour at (281) 488-0055, x238.

JSC observes Native American Month

Angel Beene performs in the Bldg. 3 cafeteria as part of JSC's Native American Month observance last month. She is wearing a medicine dress known as the jingle or healing dress, typically worn by Native Americans during rituals performed to help heal the sick.

December 9

**Airplane club meets:** The Radio Control Airplane Club will meet at 7 p.m. December 9 at the Clear Lake Park building. For more information call Bill Langdoc at x35970.

**MAES meets:** The Society of Mexican-American Engineers and Scientists will meet at 11:30 a.m. December 9 in Bldg. 16, Rm. 111. For details, call George Salazar at x30162.

December 10

**Solstice Party:** JSC Astronomical Society hosts Winter Solstice Party December 10. For details contact Chuck Shaw at x35416.

December 12

**Westside NSS meets:** The "Westside" group of the Clear Lake Area chapter of the National Space Society will meet at 2 p.m. December 12 at Silicon Graphics, 11490 Westheimer, Suite 100. For details, call Murray Clark at (281) 367-2227.

December 14

**Aero Club meets:** The Bay Area Aero Club will meet at 7 p.m. December 14 at the Houston Gulf Airport clubhouse at 2750 FM 1266 in League City. For details call Larry Hendrickson at x32050.

**CLA-NSS meets:** The Clear Lake Area chapter of the National Space Society will meet at 6:30 p.m. December 14 at the Freeman Memorial Branch Library, 16602 Diana Lane. For details call Murray Clark at (281) 367-2227.

**NPMA meets:** The National Property Management Association will meet at 5 p.m. December 14 at Robinette and Doyle Caterers, 216 Kirby in Seabrook. Dinner costs \$14. For more information call Sina Hawsey at x36582.

Human Test Subject Facility seeks volunteers

The Human Test Subject Facility at JSC is currently recruiting post-menopausal or post-hysterectomy women (up to age 65) for a cardiovascular clinical study designed to determine the effects of estrogen on the heart and blood vessels. Volunteers must be non-smokers in good health with no allergies to medications. Volunteers must also have no history of cardiovascular diseases or breast cancer and not be on hormone replacement therapy.

To qualify, volunteers must complete the required physical exam which includes a blood work-up, ECG, vision and hearing screening, and a treadmill test. Volunteers may be compensated for their time (restrictions apply to NASA and contractor personnel).

For additional information and initial prescreening, contact Dr. Dominick D'Aunno at 281-483-5542.

SPACE CENTER

Roundup

The Roundup is an official publication of the National Aeronautics and Space Administration, Johnson Space Center, Houston, Texas, and is published by the Public Affairs Office for all space center employees. The Roundup office is in Bldg. 2, Rm. 181. The mail code is AP3. The main telephone number is x38648, and the fax is x32000. Electronic mail messages may be directed to:

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NASA BRIEFS

X-43 HYPERSONIC FLIGHT RESEARCH VEHICLE DELIVERED

The world's first hypersonic air-breathing free-flight vehicle is no longer just a paper airplane. The first of three experimental vehicles, designated X-43A, recently arrived at NASA's Dryden Flight Research Center to prepare for flight in May 2000.

Flight of the X-43 vehicles will be the culmination of over 20 years of scramjet (supersonic combustible ramjet) research and the first time a non-rocket engine has powered vehicles at hypersonic speeds.

Built by Micro Craft, Inc., Tullahoma, TN, for NASA's Hyper-X program, the 12-foot-long, unpiloted X-43 vehicles will significantly expand the boundaries of air-breathing aircraft. Three flights are planned – two at Mach 7 and one at Mach 10. The flight tests will be conducted within the Western Test Range off the coast of Southern California.

NASA FUELS LAND MINE REMOVAL EFFORTS

The same rocket fuel that helps power the space shuttle as it thunders into orbit will now be taking on a new – perhaps surprising – role, with the potential to benefit millions of people worldwide.

Leftover rocket fuel from NASA is being used to make a new flare that destroys land mines where they were buried, without using explosives. The flare was developed by Thiokol Propulsion in Brigham City, UT, the NASA contractor that designs and builds rocket motors for the space shuttle.

Thiokol is using the surplus propellant through an agreement with NASA's Marshall Space Flight Center. "Clearly, this project has the potential to save lives worldwide," said Marshall Center Director Arthur G. Stephenson. "Marshall is happy to help in this humanitarian endeavor."

NASA PROVIDES SOLUTIONS TO FARMERS

As many drought-stricken farms in America limp through the last harvest of the 20th Century, researchers are using remote sensing technology developed for the space program to help improve crop management and increase profitability.

The availability of inexpensive agricultural products for consumers in the next century could depend on such capabilities – potentially meaning the difference between "boom" and "bust" for American farmers in the new millennium.

At the Global Hydrology and Climate Center at NASA's Marshall Space Flight Center, NASA scientists are collaborating with university researchers to apply remote sensing technology to a sophisticated agricultural technique called precision farming.

In precision farming, growers break fields down into regions, or "cells," analyzing growth characteristics of each cell and improving crop health and yield by applying precise amounts of seed, fertilizer and pesticides as needed.

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